



## North Carolina Essential Standards Kindergarten, Information and Technology Essential Standards

Standards and Clarifying Objectives are in the format:

AA.B                AA = Two-digit alphabetic code for K-12 Essential Standard  
AA.B.C           B = Grade Level (HS = 9-12)  
                      C = Objective number

SI: Sources of Information  
IN: Informational Text  
TT: Technology as a Tool  
RP: Research Process  
SE: Safety and Ethical Issues

### Sources of Information

	Essential Standard	Clarifying Objectives	
K.SI.1	Classify useful sources of information.	K.SI.1.1	Identify sources of information (e.g., print, non-print, electronic, people).
		K.SI.1.2	Identify the relevant sources of information for a given task.

### Informational Text

	Essential Standard	Clarifying Objectives	
K.IN.1	Understand the difference between text read for enjoyment and text read for information.	K.IN.1.1	Understand the meaning of fiction and nonfiction.
		K.IN.1.2	Identify resources with appropriate factual information.

### Technology as a Tool

	Essential Standard	Clarifying Objectives	
<b>K.TT.1</b>	<b>Use technology tools and skills to reinforce classroom concepts and activities.</b>	K.TT.1.1	Use a variety of technology tools to gather data and information (e.g., Web-based resources, e-books, online communication tools, etc.).
		K.TT.1.2	Use a variety of technology tools to organize data and information (e.g., word processor, graphic organizer, audio and visual recording, online collaboration tools, etc.).
		K.TT.1.3	Use technology tools to present data and information (multimedia, audio and visual recording, online collaboration tools, etc.).

### Research Process

	Essential Standard	Clarifying Objectives	
<b>K.RP.1</b>	<b>Understand the importance of good questions in conducting research.</b>	K.RP.1.1	Identify questions that are relevant for a given topic or purpose.

### Safety and Ethical Issues

	Essential Standard	Clarifying Objectives	
<b>K.SE.1</b>	<b>Remember safety and ethical issues related to the responsible use of information and technology resources.</b>	K.SE.1.1	Identify examples of responsible use and care of technology hardware and software.
		K.SE.1.2	Remember internet safety rules.
		K.SE.1.3	Recognize the importance of respect for the work of others.

## North Carolina Essential Standards Draft 3.0 Grade 1, Information and Technology Essential Standards

Standards and Clarifying Objectives are in the format:

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### Sources of Information

	Essential Standard	Clarifying Objectives	
1.SI.1	Recall useful sources of information.	1.SI.1.1	Identify various resources for information (e. g., print, audio-visual, electronic, people).
		1.SI.1.2	Classify resources as relevant for a given purpose and/or topic.

### Informational Text

	Essential Standard	Clarifying Objectives	
1.IN.1	Understand the difference between text read for enjoyment and text read for information.	1.IN.1.1	Classify text as nonfiction or fiction.
		1.IN.1.2	Compare important facts and minor details.

### Technology as a Tool

	Essential Standard	Clarifying Objectives	
1.TT.1	Use technology tools and skills to reinforce classroom concepts and activities.	1.TT.1.1	Use a variety of technology tools to gather data and information (e.g., Web-based resources, e-books, online communication tools, etc.).
		1.TT.1.2	Use a variety of technology tools to organize data and information (e.g., word processor, graphic organizer, audio and visual recording, online collaboration tools, etc.).
		1.TT.1.3	Use technology tools to present data and information (multimedia, audio and visual recording, online collaboration tools, etc.).

### Research Process

	Essential Standard	Clarifying Objectives	
1.RP.1	Remember the steps of a simple (or simplified) research process.	1.RP.1.1	Recognize the steps of a simple (or simplified) research process.

### Safety and Ethical Issues

	Essential Standard	Clarifying Objectives	
1.SE.1	Understand safety and ethical issues related to the responsible use of information and technology resources.	1.SE.1.1	Use technology hardware and software responsibly.
		1.SE.1.2	Explain why safety is important when using the Internet.
		1.SE.1.3	Recognize the need to obtain permission or give credit when using intellectual property of others.

## North Carolina Essential Standards Draft 3.0 Grade 2, Information and Technology Essential Standards

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### Sources of Information

	Essential Standard	Clarifying Objectives	
2.SI.1	Categorize sources of information as appropriate or inappropriate.	2.SI.1.1	Classify sources of information as relevant for particular topics or purposes.
		2.SI.1.2	Classify resources as current or not current.

### Informational Text

	Essential Standard	Clarifying Objectives	
2.IN.1	Understand appropriate procedures when reading for enjoyment and information.	2.IN.1.1	Categorize books by their genre characteristics.
		2.IN.1.2	Summarize appropriate reading strategies when reading for information.

### Technology as a Tool

	Essential Standard	Clarifying Objectives	
2.TT.1	Use technology tools and skills to reinforce classroom concepts and activities.	2.TT.1.1	Use a variety of technology tools to gather data and information (e.g., Web-based resources, e-books, online communication tools, etc.).
		2.TT.1.2	Use a variety of technology tools to organize data and information (e.g., word processor, graphic organizer, audio and visual recording, online collaboration tools, etc.).
		2.TT.1.3	Use technology tools to present data and information (multimedia, audio and visual recording, online collaboration tools, etc.).

### Research Process

	Essential Standard	Clarifying Objectives	
2.RP.1	Apply the research process by participating in whole-class research.	2.RP.1.1	Execute the steps of a simple research process (three to four steps).

### Safety and Ethical Issues

	Essential Standard	Clarifying Objectives	
2.SE.1	Understand issues related to the safe, ethical, and responsible use of information and technology resources.	2.SE.1.1	Use technology hardware and software responsibly.
		2.SE.1.2	Explain why safe use of electronic resources is important.
		2.SE.1.3	Use simple citation rules for print and electronic resources.

## North Carolina Essential Standards Draft 3.0 Grade 3, Information and Technology Essential Standards

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### Sources of Information

	Essential Standard	Clarifying Objectives	
3.SI.1	<b>Categorize sources of information for specific purposes.</b>	3.SI.1.1	Classify various types of resources as appropriate or inappropriate for purposes.
		3.SI.1.2	Classify resources as reliable or not reliable.

### Informational Text

	Essential Standard	Clarifying Objectives	
3.IN.1	<b>Apply strategies that are appropriate when reading for enjoyment and for information.</b>	3.IN.1.1	Use visual and literacy cues to locate relevant information in a given text (e.g., bold print, italics, bullets, etc).
		3.IN.1.2	Compare the characteristics of genres to develop diverse reading habits.

### Technology as a Tool

	Essential Standard	Clarifying Objectives	
3.TT.1	<b>Use technology tools and skills to reinforce classroom concepts and activities.</b>	3.TT.1.1	Use a variety of technology tools to gather data and information (e.g., Web-based resources, e-books, online communication tools, etc.).
		3.TT.1.2	Use a variety of technology tools to organize data and information (e.g., word processor, graphic organizer, audio and visual recording, online collaboration tools, etc.).
		3.TT.1.3	Use technology tools to present data and information (multimedia, audio and visual recording, online collaboration tools, etc.).

### Research Process

	Essential Standard	Clarifying Objectives	
3.RP.1	<b>Apply a research process as part of collaborative research.</b>	3.RP.1.1	Implement a research process by collaborating effectively with other students.

### Safety and Ethical Issues

	Essential Standard	Clarifying Objectives	
3.SE.1	<b>Understand issues related to the safe, ethical, and responsible use of information and technology resources.</b>	3.SE.1.1	Understand the guidelines for responsible use of technology hardware.
		3.SE.1.2	Understand ethical behavior (copyright, not plagiarizing, netiquette) when using resources.
		3.SE.1.3	Understand internet safety precautions (personal information, passwords, etc.).



## North Carolina Essential Standards Draft 3.0 Grade 4, Information and Technology Essential Standards

Standards and Clarifying Objectives are in the format:

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### Sources of Information

	Essential Standard	Clarifying Objectives	
4.SI.1	<b>Apply criteria to determine appropriate information resources for specific topics and purposes.</b>	4.SI.1.1	Use various types of resources to gather information (including print and online media).
		4.SI.1.2	Use relevant sources of information for an assigned task.
		4.SI.1.3	Use reliable sources of information.

### Informational Text

	Essential Standard	Clarifying Objectives	
4.IN.1	<b>Apply appropriate strategies when reading for enjoyment and for information.</b>	4.IN.1.1	Implement appropriate reading strategies when reading for information.
		4.IN.1.2	Explain the importance of relevant characteristics in various genres.

### Technology as a Tool

	Essential Standard	Clarifying Objectives	
4.TT.1	<b>Use technology tools and skills to reinforce classroom concepts and activities.</b>	4.TT.1.1	Use a variety of technology tools to gather data and information (e.g., Web-based resources, e-books, online communication tools, etc.).
		4.TT.1.2	Use a variety of technology tools to organize data and information (e.g., word processor, graphic organizer, audio and visual recording, online collaboration tools, etc.).
		4.TT.1.3	Use technology tools to present data and information (multimedia, audio and visual recording, online collaboration tools, etc.).

### Research Process

	Essential Standard	Clarifying Objectives	
4.RP.1	<b>Apply a research process as part of collaborative research.</b>	4.RP.1.1	Implement a research process by collaborating effectively with other students.

### Safety and Ethical Issues

	Essential Standard	Clarifying Objectives	
4.SE.1	<b>Understand issues related to the safe, ethical, and responsible use of information and technology resources.</b>	4.SE.1.1	Understand the guidelines for responsible use of technology hardware.
		4.SE.1.2	Understand ethical behavior (copyright, not plagiarizing, netiquette) when using resources.
		4.SE.1.3	Understand internet safety precautions (personal information, passwords, etc.).

## North Carolina Essential Standards Draft 3.0 Grade 5, Information and Technology Essential Standards

Standards and Clarifying Objectives are in the format:

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### Sources of Information

	Essential Standard	Clarifying Objectives	
5.SI.1	<b>Apply criteria to determine appropriate information resources for specific topics and purposes.</b>	5.SI.1.1	Use various types of resources to gather information (including print and online media).
		5.SI.1.2	Use relevant sources of information for an assigned task.
		5.SI.1.3	Use reliable sources of information.

### Informational Text

	Essential Standard	Clarifying Objectives	
5.IN.1	<b>Analyze appropriate strategies when reading for enjoyment and for information.</b>	5.IN.1.1	Differentiate strategies when reading informational text in a variety of formats (e.g., print, online, audio, etc.) to complete assigned tasks.
		5.IN.1.2	Differentiate strategies when reading various genres.

### Technology as a Tool

	Essential Standard	Clarifying Objectives	
<b>5.TT.1</b>	<b>Use technology tools and skills to reinforce and extend classroom concepts and activities.</b>	5.TT.1.1	Use a variety of technology tools to gather data and information (e.g., Web-based resources, e-books, online communication tools, etc.).
		5.TT.1.2	Use a variety of technology tools to organize data and information (e.g., word processor, graphic organizer, audio and visual recording, online collaboration tools, etc.).
		5.TT.1.3	Use technology tools to present data and information (e.g., multimedia, audio and visual recording, online collaboration tools, etc.).

### Research Process

	Essential Standard	Clarifying Objectives	
<b>5.RP.1</b>	<b>Apply a research process as part of collaborative research.</b>	5.RP.1.1	Implement a research process by collaborating effectively with other students.

### Safety and Ethical Issues

	Essential Standard	Clarifying Objectives	
<b>5.SE.1</b>	<b>Understand issues related to the safe, ethical, and responsible use of information and technology resources.</b>	5.SE.1.1	Understand the guidelines for responsible use of technology hardware.
		5.SE.1.2	Understand ethical behavior (e.g., copyright, not plagiarizing, netiquette) when using resources.
		5.SE.1.3	Understand internet safety precautions (e.g., personal information, passwords, etc.).



## North Carolina Essential Standards Grade 6, Information and Technology Essential Standards

Standards and Clarifying Objectives are in the format:

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SI: Sources of Information

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TT: Technology as a Tool

RP: Research Process

SE: Safety and Ethical Issues

### Sources of Information

	Essential Standard	Clarifying Objectives	
6.SI.1	<b>Analyze resources to determine their reliability, point of view, bias, and relevance for particular topics and purposes.</b>	6.SI.1.1	Analyze resources in terms of their reliability (which can be determined by currency, credibility, or authority, depending on the topic or purpose)
		6.SI.1.2	Analyze content for relevance to the assigned task.
		6.SI.1.3	Analyze resources for point of view, bias, values, or intent of information.

### Technology as a Tool

	Essential Standard	Clarifying Objectives	
6.TT.1	Use technology and other resources for the purpose of accessing, organizing, and sharing information.	6.TT.1.1	Select appropriate technology tools to gather data and information (e.g., Web-based resources, e-books, online communication tools, etc.).
		6.TT.1.2	Select appropriate technology tools to organize data and information (e.g., word processor, database, spreadsheet, graphic organizer, audio and visual recording, online collaboration tools, etc.).
		6.TT.1.3	Select appropriate technology tools to present data and information effectively (multimedia, audio and visual recording, online collaboration tools, etc.).

### Research Process

	Essential Standard	Clarifying Objectives	
6.RP.1	Apply a research process for collaborative or individual research.	6.RP.1.1	Implement a research process collaboratively.
		6.RP.1.2	Implement a research process independently.

### Safety and Ethical Issues

	Essential Standard	Clarifying Objectives	
6.SE.1	Apply responsible behaviors when using information and technology resources.	6.SE.1.1	Apply ethical behavior (copyright, not plagiarizing, proper netiquette) when using resources.
		6.SE.1.2	Apply the safety precautions necessary when using online resources (personal information, passwords, etc.).

## North Carolina Essential Standards Draft 3.0

### Grade 7, Information and Technology Essential Standards

Standards and Clarifying Objectives are in the format:

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#### Sources of Information

	Essential Standard	Clarifying Objectives	
7.SI.1	<b>Evaluate information resources based on specified criteria.</b>	7.SI.1.1	Evaluate resources for reliability. (Reliability can be determined by currency, credibility, authority, etc. depending on the curriculum topic).
		7.SI.1.2	Evaluate content for relevance to the assigned task.
		7.SI.1.3	Evaluate resources for point of view, bias, values, or intent of information.

### Technology as a Tool

	Essential Standard	Clarifying Objectives	
7.TT.1	Use technology and other resources for assigned tasks.	7.TT.1.1	Use appropriate technology tools and other resources to access information.
		7.TT.1.2	Use appropriate technology tools and other resources to organize information (e.g. graphic organizers, databases, spreadsheets, and desktop publishing).
		7.TT.1.3	Use appropriate technology tools and other resources to design products to share information with others (e.g. multimedia presentations, Web 2.0 tools, graphics, podcasts, and audio files).

### Research Process

	Essential Standard	Clarifying Objectives	
7.RP.1	Apply a research process to complete given tasks.	7.RP.1.1	Implement a collaborative research process activity that is group selected.
		7.RP.1.2	Implement an independent research process activity that is student selected.

### Safety and Ethical Issues

	Essential Standard	Clarifying Objectives	
7.SE.1	Apply responsible behaviors when using information and technology resources.	7.SE.1.1	Apply ethical behavior (copyright, not plagiarizing, proper netiquette) when using resources.
		7.SE.1.2	Apply the safety precautions necessary when using online resources (personal information, passwords, etc.).



## North Carolina Essential Standards Draft 3.0

### Grade 8, Information and Technology Essential Standards

Standards and Clarifying Objectives are in the format:

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#### Sources of Information

	Essential Standard	Clarifying Objectives	
8.SI.1	<b>Evaluate information resources based on specified criteria.</b>	8.SI.1.1	Evaluate resources for reliability. (Reliability can be determined by currency, credibility, authority, etc. depending on the curriculum topic).
		8.SI.1.2	Evaluate content for relevance to the assigned task.
		8.SI.1.3	Evaluate resources for point of view, bias, values, or intent of information.

#### Technology as a Tool

	Essential Standard	Clarifying Objectives	
8.TT.1	<b>Use technology and other resources for assigned tasks.</b>	8.TT.1.1	Use appropriate technology tools and other resources to access information (search engines, electronic databases, digital magazine articles).
		8.TT.1.2	Use appropriate technology tools and other resources to organize information (e.g. graphic organizers, databases, spreadsheets, and desktop publishing).
		8.TT.1.3	Use appropriate technology tools and other resources to design products to share information with others (e.g. multimedia presentations, Web 2.0 tools, graphics, podcasts, and audio files).

### Research Process

	Essential Standard	Clarifying Objectives	
8.RP.1	Apply a research process to complete project-based activities.	8.RP.1.1	Implement a project-based activity collaboratively.
		8.RP.1.2	Implement a project-based activity independently.

### Safety and Ethical Issues

	Essential Standard	Clarifying Objectives	
8.SE.1	Analyze responsible behaviors when using information and technology resources.	8.SE.1.1	Analyze ethical behavior (copyright, not plagiarizing, netiquette) when using resources.
		8.SE.1.2	Analyze safety precautions when using online resources (personal information, passwords, etc.).